



## CONSULTANTS GROUP

GEOLOGY

ENGINEERING

ENVIRONMENT

HYDROLOGY

Note: Entire submittal is  
in mine plan, cover  
letter & map are copied  
here, FF 3/88

June 3, 1985

RECEIVED

JUN 03 1985

DIVISION OF OIL  
GAS & MINING

Ms. Susan C. Linner  
Permit Supervisor  
Division of Oil, Gas & Mining  
355 W. North Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

RE: Trixie Tailings Pond, Sunshine Mining Co., Burgin Project  
ACT/049/009, Utah County

Dear Susan:

Mr. Leon Munyan has asked me to respond to your letter of May 20, 1985 regarding the Division's review of three proposed tailings ponds at the Eureka operations which were described in Sunshine's application dated April 2, 1985. He has also asked me to submit the attached description of an additional pond for your review. To expedite your review of this material, I have included the additional pond in the total disturbed acreages and reclamation cost estimate.

The following responses address the questions in your May 20 letter:

Q. The Sketch is missing the following; title block, scale, contour intervals, north arrow, date, contours of the dike, and reference grid and elevations. (referring to Figures 4, 7, and 9)

A. The figures in the application have figure labels which refer them to the proper text in the application. The scale is shown on each figure as is a north arrow. The contours of the pond are at a one foot interval. The date of the figures are the same as the document, April 2, 1985. The locations of the ponds are clearly shown on Figure 2 of the document thus negating the need for a reference grid. The topographic relationships of the ponds to the rest of the facilities are also shown on Figure 2 negating the need to have individual elevation control on each pond. Cross-sections of each dike are included with this letter. These show the same basic information which would be derived from contour maps of each dike.



Q. A map must be provided, to scale, showing the existing affected area boundaries, including the acreage of those areas. Additionally, the three ponds shall also be shown and shall include the respective acreage to be disturbed in each area.

A. The map included in the 1984 application and labeled, "Burgin, Hunter Shaft and Tailings Pond Reclamation Areas" shows the outline of the permit area. In the vicinity of the Burgin Shafts the outline encompasses the sites of Ponds 2, 3, and 4 which are now being proposed for tailings disposal. It is the intent of Sunshine to reclaim all disturbed areas within the permit area boundary. The map which appears as Figure 2 in the April 2, 1985 application is a portion of the same map and clearly shows that Ponds 2 and 3 fall within the permit boundary. Pond 1 falls outside of the permit boundary and requires Division approval prior to construction. The 1984 permit describes the acreage total for the Burgin Mill area as 29.4 acres. The total acreage of the proposed Trixie tailings ponds is 3.4 acres. Because the base map for the 1984 and 1985 applications is the same and comparison of the maps clearly shows the relationships of the various facilities Sunshine Mining considers preparation of a third map to be duplicatory and unnecessary.

Q. Any enlargements of these structures or use of additional areas for tailings disposal must be approved in advance by the Division.

A. Sunshine will comply with such notification as demonstrated by this application.

Q. Quantities, productivity and cost estimates must be provided for reclamation construction of the proposed tailings pond additions.

A. The estimated reclamation costs of the ponds follows:

Pond 1

Spread 800yds. topsoil w/ dozer, 2hrs. \$120.00@	\$240.00
Hydroseed, fertilize, mulch 1.2 acres \$1,000.00@	1,200.00

Ponds 2-4

Bulldoze dike freeboards, 2hrs.@ x 3 x \$120.00	720.00
Hydroseed and mulch 2.2 acres, \$1,000.00@	2,200.00

Supervision for 2 days, \$35.00/hr. x 16	560.00
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Total 4,920.00

Q. Pond outslopes should be seeded with the temporary ground cover mix this fall. Mulch should be applied at a rate of 2,000-

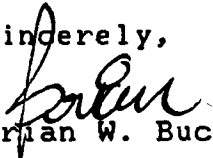
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2,500 lbs/acre.

A. This will be complied with in regards to the dikes for Ponds 1 and 4. The other dikes are already as revegetated as they ever will be, having been seeded some years ago.

If you have any questions on this material please call me or Mr. Munyan.

Sincerely,



Brian W. Buck

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